REFERENCES CITED

- Brown, L.G. 1992. Draft management guide for the bull trout *Salvelinus* confluentus (Suckley) on the Wenatchee National Forest. Washington Department of Wildlife. Wenatchee, Washington.
- Bryant, F.G., and Z.E. Parkhurst. 1950. Survey of the Columbia River and its tributaries; area III, Washington streams from the Klickitat and Snake Rivers to Grand Coulee Dam, with notes on the Columbia and its tributaries above Grand Coulee Dam. USFWS, Special Scientific Report 37, 108 pp.
- Crow, J. F. and M. Kimura. 1970. An introduction to population genetics theory. Harper and Row, New York.
- Franklin, I. R. 1980. Evolutionary changes in small populations. Pages 135-149 in M. E. Soule and B. A. Wilcox, editors. Conservation biology: An evolutionary-ecological perspective. Sinauer Associates, Sunderland, Massachusetts.
- Harvey, B. C., T. E. Lisle, T. Vallier, D.C. Fredley. 1995. Effects of suction dredging on streams: a review and evaluation strategy. Report to Gray Reynolds, deputy chief National Forest System, USDA Forest Service. September 29, 1995.
- Hillman, T. W. and M. D. Miller. 1993. Estimated abundance and total numbers of chinook salmon and trout in the Chiwawa River, Washington 1992.Report to Chelan County Public Utility District, Washington. Don Chapman Consultants inc. Boise, Idaho.
- Hillman, T. W. and M. D. Miller. 1994. Estimated abundance and total numbers of chinook salmon and trout in the Chiwawa River Basin, Washington

- 1993. Report to Chelan County Public Utility District, Washington. Don Chapman Consultants inc. Boise, Idaho.
- Hillman, T. W. and M. D. Miller. 1995. Abundance and total numbers of chinook salmon and trout in the Chiwawa River Basin, Washington 1994. Report to Chelan County Public Utility District, Washington. Don Chapman Consultants inc. Boise, Idaho.
- Hindes, R. 1994. Wenatchee River Watershed Ranking Project. Chelan County Conservation District, Wenatchee, WA.
- Kreiter, S. 2001. Bull trout study updates. Chelan PUD, Wenatchee, Washington.
- Kreiter, S. 2002. Bull trout study updates. Chelan PUD, Wenatchee, Washington.
- Lande, R. 1988. Genetics and demography in biological conservation. Science 241: 1455-1460.
- Martin, S.B. and W.S. Platts. 1981. Influence of forest and rangeland management on anadromous fish habitat in western North America, effects of mining. U.S. Forest Service General Technical Report PNW 119.
- McPhail J. D. and R. Carveth. 1992. A foundation for conservation: the nature and origin of the freshwater fish fauna of British Columbia. Fish Museum, Department of Zoology, University of British Columbia. Vancouver, B.C., Canada.

- (MBTSG) Montana Bull Trout Scientific Group. 1996. The role of stocking in bull trout recovery. Montana Bull Trout Restoration Team. Helena, Montana.
- (NPPC) Northwest Power Planning Council. 2001a. Draft Wenatchee Subbasin Summary. Prepared by L. Berg and D. Lowman.
- (NPPC) Northwest Power Planning Council. 2001b. Draft Entiat Subbasin Summary. Prepared by L. Berg and S. Matthews.
- (NPPC) Northwest Power Planning Council. 2001c. Draft Methow Subbasin Summary. Prepared by J. Foster.
- (ODFW) Oregon Department of Fish and Wildlife. 1997. Status of Oregon's Bull Trout. Prepared by D. Buchanan, M. Hanson, and R. Hooton. Portland, Oregon.
- Parametrix, Inc. 2000. Anadromous Fish Agreements and Habitat Conservation Plans for the Wells, Rocky Reach, and Rock Island Hydroelectric Projects. Draft Environmental Impact Statement prepared for the National Marine Fisheries Service in cooperation with Public Utility District No. 1 of Douglas County, Public Utility District No. 1 of Chelan County, and Federal Energy Regulatory Commission. November 2000.
- Proebstel, D.S., R.J. Behnke, and S.M. Noble. 1998. Identification of salmonid fishes from tributary streams and lakes of the mid-Columbia basin. Joint publication by U.S. Fish and Wildlife Service and World Salmonid Research Institute, Colorado State University.
- Quigley, T.M., and S.J. Arbelbide, tech. eds. 1997. An assessment of ecosystem components in the Interior Columbia Basin and portions of the Klamath and Great Basins: volume III. Gen. Tech. Rep. PNW-GTR-405. Portland,

- OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 4 vol.
- Rieman, B. E. and J. McIntyre. 1993. Demographic and habitat requirements for conservation of bull trout. Gen. Tech. Rep. INT-302. Ogden, UT: U. S. Department of Agriculture, Forest Service, Intermountain Research Station. 38p.
- Rieman, B.E., and F.W. Allendorf. 2001. Effective populations size and genetic conservation criteria for bull trout. North American Journal of Fisheries Management 21: 756-764.
- Roberts, B.C, and R.G. White. 1992. Effects of angler wading on survival of trout eggs and pre-emergent fry. North American Journal of Fisheries Management 12:450-459.
- Schmetterling, D.A. and M.H. Long. 1999. Montana Anglers' Inability to Identify Bull Trout and Other Salmonids. Fisheries 24(7):24–27.
- Soule, M. E. 1980. Thresholds for survival: maintaining fitness and evolutionary potential. Pages 151-170 in M. E. Soule and B. A. Wilcox, editors. Conservation biology: An evolutionary-ecological perspective. Sinauer and Associates, Sunderland, Massachusetts.
- Spence, B.C., G.A. Lomincky, R.M. Hughes, and R.P. Novitzki. 1996. An ecosystem approach to salmonid conservation. National Marine Fisheries Service, U.S. Fish and Wildlife Service, Environmental Protection Agency. TR-4501-96-6057.
- (USFS) U.S. Forest Service. 1993. Beaver Creek Stream Survey Report.

 Okanogan National Forest, Methow Valley Ranger District, Winthrop,
 WA.

- (USFS) U.S. Forest Service. 1994. Chewuch River Watershed Analysis.

 Okanogan National Forest, Methow Valley Ranger District, Winthrop,
 WA.
- (USFS) U.S. Forest Service. 1995a. Twisp River Watershed Analysis.

 Okanogan National Forest, Methow Valley Ranger District, Winthrop, WA.
- (USFS) U.S. Forest Service. 1995b. Wolf Creek Stream Survey Report.
 Okanogan National Forest, Methow Valley Ranger District, Winthrop,
 WA.
- (USFS) U.S. Forest Service. 1995c. Lake Creek Stream Survey Report.

 Okanogan National Forest, Methow Valley Ranger District, Winthrop,
 WA.
- (USFS) U.S. Forest Service. 1995d. Goat Creek Watershed Analysis and Interim Late Successional Reserve Assessment. Okanogan National Forest, Methow Valley Ranger District, Winthrop, WA.
- (USFS) U.S. Forest Service. 1995e. Inland Native Fish Strategy Environmental Assessment. Forest Service; Intermountain, Northern, and Pacific Northwest Regions.
- (USFS) U.S. Forest Service. 1996a. Watershed Assessment Entiat Analysis Area. Wenatchee National Forest. Wenatchee, WA.
- (USFS) U.S. Forest Service. 1996b. Gold Creek Stream Survey. Wenatchee National Forest, Wenatchee, WA.
- (USFS) U.S. Forest Service. 1996c. Nason Creek Watershed Analysis Environmental Assessment. Wenatchee National Forest, Wenatchee, WA.

- (USFS) U.S. Forest Service. 1998a. Upper Methow Watershed Analysis.

 Okanogan National Forest, Methow Valley Ranger District, Winthrop,
 WA.
- (USFS) U.S. Forest Service. 1998b. Biological assessment for steelhead, spring chinook, bull trout and cutthroat trout for the proposed actions of the Mud-Potato road relocation project on the Entiat Ranger District of the Wenatchee National Forest Chelan County, Washington. Wenatchee National Forest, Entiat, WA. Prepared by P. Archibald.
- (USFS) U.S. Forest Service. 1998c. Biological assessment for steelhead, spring chinook, bull trout, and cutthroat trout for the proposed actions of livestock grazing on the Entiat Ranger District of the Wenatchee National Forest, Wenatchee, WA.
- (USFS) U.S. Forest Service. 1998d. Peshastin Stream Survey. Wenatchee National Forest, Wenatchee, WA.
- (USFS) U.S. Forest Service. 1999a. Mainstem Wenatchee River Watershed Assessment. Wenatchee National Forest, Wenatchee, WA.
- (USFS) U.S. Forest Service. 1999b. Wenatchee National Forest Aquatic Consultation Package for Wenatchee River Subbasin: Biological assessments for upper Columbia River spring chinook, steelhead, bull trout and westslope cutthroat in watersheds of the Wenatchee River basin. Wenatchee National Forest, Wenatchee, WA.
- (USFS) U.S. Forest Service. 1999c. Lost River and Robinson Creek Watershed Analysis. Okanogan National Forest, Methow Valley Ranger District, Winthrop, WA.

- (USFS) U.S. Forest Service. 1999d. Peshastin Creek Watershed Assessment. Leavenworth Ranger District. Wenatchee National Forest, Wenatchee, WA.
- (USFS) U.S. Forest Service. 2001a. Upper Methow Watershed Aquatic Species Biological Assessment. Okanogan-Wenatchee National Forests. Prepared by J. Haskins and D. Hopkins.
- (USFS) U.S. Forest Service. 2001b. Lower Methow Watershed Biological Assessment. Okanogan-Wenatchee National Forests. Prepared by B. Baer and J. Molesworth.
- (USFS) U.S. Forest Service. 2002. Chewuch Watershed Aquatic Species Biological Assessment. Okanogan-Wenatchee National Forests. Edited by J. Molesworth.
- (USFS) U.S. Forest Service and (BLM) Bureau of Land Management. 1994.

 Record of Decision of Amendments to Forest Service and Bureau of Land Management Planning Documents Within the Range of the Northern Spotted Owl; Standards and Guidelines for Management of Habitat for Late-Successional and Old-Growth Forest Related Species Within the Range of the Northern Spotted owl.
- (USFWS) U.S. Fish and Wildlife Service. 1992. Production and Habitat of Salmonids in Mid-Columbia River Tributary Streams: USFWS, Monograph I, 1992. Mid-Columbia River Fish Resource Office, Leavenworth, WA.
- (USFWS) U.S. Fish and Wildlife Service. 1997. An analysis of fish populations in Icicle Creek, Trout Creek, Jack Creek, Peshastin Creek, Ingalls Creek, and Negro Creek, Washington, 1994 and 1995. Mid-Columbia River

- Fishery Resource Office, Leavenworth, WA. Prepared by B. Kelly-Ringel.
- (USFWS) U.S. Fish and Wildlife Service. 1998. Klamath River and Columbia River bull trout population segments: status summary. Prepared by the Service's bull trout listing team. Boise, Idaho.
- (USFWS) U.S. Fish and Wildlife Service. 1999a. Bull trout spawning ground surveys of Panther, Mill and Nason Creeks, Washington, 1998. Mid-Columbia River Fishery Resource Office, Leavenworth, Washington. Prepared by B. Kelly-Ringel.
- (USFWS) U.S. Fish and Wildlife Service. 1999b. Summary of snorkel surveys in Icicle Creek in the large pool adjacent to the Leavenworth National Fish Hatchery. Mid-Columbia River Fishery Resource Office, Leavenworth, Washington. Prepared by b. Kelly-Ringel.
- (USFWS) U.S. Fish and Wildlife Service. 1999c. Survey of fish populations in French Creek, Washington. Mid-Columbia River Fishery Resource Office, Leavenworth, Washington. Prepared by B. Kelly-Ringel and L. Murphy.
- (USFWS) U.S. Fish and Wildlife Service. 2000a. Wenatchee basin bull trout radio telemetry study updates. Mid-Columbia River Fishery Resource Office, Leavenworth, Washington. Prepared by B. Kelly-Ringel and J. De La Vergne.
- (USFWS) U.S. Fish and Wildlife Service. 2000b. Biological Opinion. Effects to listed species from Operations of the Federal Columbia River Power System. U.S. Fish and Wildlife Service Regions 1 and 6, Portland, Oregon and Denver, Colorado.

- (USFWS) U.S. Fish and Wildlife Service. 2001. Wenatchee basin bull trout radio telemetry study updates. Mid-Columbia River Fishery Resource Office, Leavenworth, Washington. Prepared by B. Kelly-Ringel and J. De La Vergne.
- (USFWS) U.S. Fish and Wildlife Service. 2002. Icicle Creek Restoration Project, Final Environmental Impact Statement.
- (UCSRB) Upper Columbia Salmon Recovery Board. 2001. A Strategy to protect and restore salmonid habitat in the upper Columbia region.
- (WDFW) Washington Department of Fish and Wildlife. 1992. Draft management guide for the bull trout Salvelinus confluentus (Suckley) on the Wenatchee National Forest. Washington Department of Wildlife. Wenatchee, Washington. Prepared by L. Brown.
- (WDFW) Washington Department of Fish and Wildlife. 1998. Washington salmonid stock inventory. Appendix: bull trout and Dolly Varden. Washington Department of Fish and Wildlife. Olympia, WA.
- (WDFW) Washington Department of Fish and Wildlife. 1999a. Collection of Spring Chinook Salmon *Oncorhynchus tshawytscha* Eggs from Nason Creek and White River During 1999. Prepared by K. Peterson and B.Dymowska. WDFW, Olympia, WA.
- (WDFW) Washington Department of Fish and Wildlife. 1999b. Gold and Fish: Rules and Regulations for Mineral Prospecting and Placer Mining in Washington State.
- (WDFW) Washington Department of Fish and Wildlife. 2000. Bull trout and Dolly Varden management Plan. Washington Department of Fish and

- Wildlife, Fish Management Division, Fish Program, Olympia, Washington. September 2000.
- (WDG) Washington Department of Game. 1984. Lake Chelan fisheries investigations in cooperation with Chelan County Public Utility District, Chelan County WA. Prepared by L. Brown.
- (WFPB) Washington Forest Practices Board. 2000. Washington forest practices: rules—WAC 222 (including emergency rules), board manual (watershed manual not included), Forest Practices Act, RCW 76.09. Washington Forest Practices Board, Olympia, Washington.
- (WGSRO) Washington Governor's Salmon Recovery Office. 1999. Draft statewide strategy to recovery salmon, extinction is not an option. Olympia, Washington. January 1999.
- (WSCC) Washington State Conservation Commission. 1999. Salmon and Steelhead Habitat Limiting Factors Report for the Entiat Watershed (Water Resource Inventory Area 46). Prepared by C. Andonaegui.
- (WSCC) Washington State Conservation Commission. 2000. Salmon and Steelhead Habitat Limiting Factors (Water Resource Inventory Area 48 Methow Watershed). Prepared by C. Andonaegui.
- (WSCC) Washington State Conservation Commission. 2001. Salmon and Steelhead Habitat Limiting Factors Report for the Wenatchee Basin (Water Resource Inventory Area 47). Prepared by C. Andonaegui.
- (WSOFM) Washington State Office of Financial Management. 2000. Washington State Census. www.ofm.wa.gov/census2000.

In Literature (In Litt.)

- (NMFS) National Marine Fisheries Service. 2001. Northwest Salmon Recovery Planning.
- Partridge, M. 2001. Article in the Wenatchee World. Staff writer.
- (USFS) U.S. Forest Service. 1992. Beaver Creek Stream Surveys Report.
- (USFS) U.S. Forest Service. 2002. Road densities in the Wenatchee, Entiat, and Methow Basins.
- (USFWS) U.S. Fish and Wildlife Service. 1998a. Peshastin Creek stream survey report, 1997. Leavenworth, WA. Prepared by M. Cappellini.
- (USFWS) U.S. Fish and Wildlife Service. 1998b. Informal Consultation Letter (1-3-98-I-394 through 398) for livestock Grazing in Five Watersheds in the Methow: Wolf Creek, Twisp River, Chewuck River, Upper Methow River, Lower Methow River within the Northwest Forest Plan Area. USFWS, Wenatchee Office, Wenatchee, WA.
- (USFWS) U.S. Fish and Wildlife Service. 2002. Survey of fish populations in Chiwaukum Creek, 2001. Leavenworth, WA. Prepared by B. Kelly-Ringel.

Personal Communication (Pers. Comm.)

De La Vergne, J. U.S. Fish and Wildlife Service, Wenatchee, Washington. 2001.

De La Vergne, J. U.S. Fish and Wildlife Service, Wenatchee, Washington. 2002.

Kelly-Ringel, B. U.S, Fish and Wildlife Service, Leavenworth, Washington. 2001.

MacDonald, K. U.S. Forest Service, Wenatchee, Washington. 2001.

Wells, N. U.S. Forest Service, Okanagon, Washington. 2000.